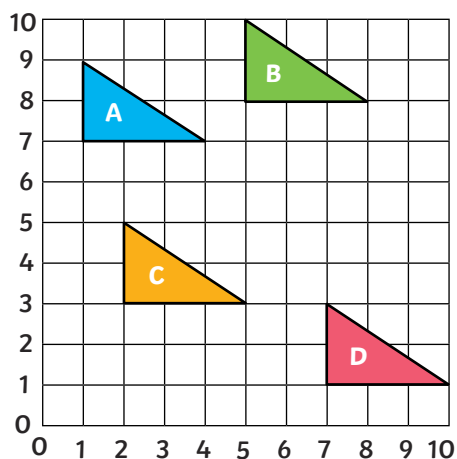Four identical triangles are shown on this coordinate grid.

1) Complete the description of the following translations:

   a) triangle A to triangle B = _____

   b) triangle B to triangle C = _____

   c) triangle C to triangle D = _____

2) Describe a different translation. Can your partner identify which triangles' positions you are describing?
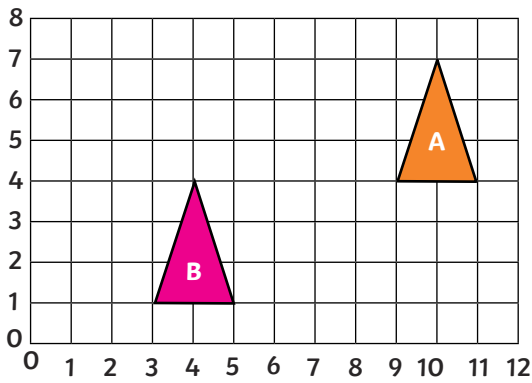
   _____

Translating a shape right 5, up 4 is the same as translating a shape right 4 and up 5.

1) Do you agree?

_____

_____

Triangle A has been translated left 4, down 6 to become triangle B.

2) Do you agree? Explain your reasoning.

_____

_____

Describe the translations you could do to piece together the shapes to make new shapes.

For example, triangle E could translate right 4, down 1 to make a trapezium with parallelogram F.